Index of Authors

Abd-Alla, M. H. Phosphatases and the utilization of organic phosphorus by *Rhizobium leguminosarum* biovar *viceae* 294

Addy, M. *see* Slayne, M. A.

Agatzini, S. *see* Tzeferis, P. G.

Ahmad, M. H. *see* Hamilton, M. A. E.

Akagiri, M. *see* Sato, M.

Alfonso, C. *see* Santamaría, F.

Andrew, P. W. *see* Canvin, J. R.

Angelini, P. *see* Lanciotti, R.

Apostolopoulos, C. *see* Ariffin, R.

Arias, J. M. *see* González, F.

Ariffin, R., Apostolopoulos, C., Graffham, A., MacDougal, D. & Owens, J. D. Assessment of hyphal binding in tempe 32

Artolozaga, I. *see* Iriberri, J.

Ayo, B. *see* Iriberri, J.

Bainotti, A. E. *see* Corrales, M. T.

Baracat-Pereira, M. C., Coelho, J. L. C. & Silva, D. O. Production of pectin lyase by *Penicillium griseoroseum* cultured on sucrose and yeast extract for degumming of natural fibres 127

Barcina, I. *see* Iriberri, J.

Barer, M. R. *see* Walker, D. R.

Barrett, S. J., Schlater, L. K., Montali, R. J. & Sneath, P. H. A. A new species of *Neisseria* from iguanid lizards, *Neisseria iguanae* sp. nov. 200

Basu, K. *see* Chakraborty, B. N.

Bellamy, W., Yamauchi, K., Wakabayashi, H., Takase, M., Takakura, N., Shimamura, S. & Tomita, M. Antifungal properties of lactoferricin B, a peptide derived from the *N*-terminal region of bovine lactoferrin 230

Bhowmik, T. K. *see* Bhunia, A. K.

Bhunia, A. K., Bhowmik, T. K. & Johnson, M. G. Determination of bacteriocin-encoding plasmids of *Pediococcus acidilactici* strains by Southern hybridization 168

Blackall, L. *see* Brooker, J. D.

Board, R. G. *see* Stanbridge, L. H.

Bordons, A. *see* Constantí, M.

Boulnois, G. J. *see* Canvin, J. R.

Brady, D., Glaum, D. & Duncan, J. R. Copper tolerance in *Saccharomyces cerevisiae* 245

Brazier, J. S. & Hall, V. A simple evaluation of the AnaeroGen™ system for the growth of clinically significant anaerobic bacteria 56

Bridge, P. D. *see* Thomas, V.

Broberg, P. J. *see* Gale, P.

Brooker, J. D., O'Donovan, L. A., Skene, I., Clarke, K., Blackall, L. & Muslera, P. *Streptococcus caprinus* sp. nov., a tannin-resistant ruminal bacterium from feral goats 313

Brown, J. C. S., Ward, L. J. H. & Davey, G. P. Rapid isolation and purification of lactococcal bacteriophage DNA without the use of caesium chloride gradients 292

Bruetschy, A., Laurent, M. & Jacquet, R. Use of flow cytometry in oenology to analyse yeasts 343

Brunet, D. *see* Flatau, G. N.

Buck, J. D. & McCarthy, S. A. Occurrence of non-O1 *Vibrio cholerae* in Texas Gulf Coast dolphins (*Tursiops truncatus*) 45

Bukhtiyarova, M. *see* Motlagh, A.

Canvin, J. R., Andrew, P. W., Boulnois, G. J. & Mitchell, T. J. Electrotransformation of *Streptococcus pneumoniae* 35

Capela, A. B. *see* de Revel, G.

Carlin, F. & Nguyen-the, C. Fate of *Listeria monocytogenes* on four types of minimally processed green salads 222

Casas, C. *see* Pin, C.

Castro, H. *see* Teixeira, P.

Chakraborty, B. N., Chakraborty, U. & Basu, K. Antagonism of *Erwinia herbicola* towards *Leptosphaeria maculans* causing blackleg disease of *Brassica napus* 74

Chakraborty, U. *see* Chakraborty, B. N.

Champomier-Vergès, M.-C. & Richard, J. Antibacterial activity among *Pseudomonas* strains of meat origin 18

Chart, H. *see* Threlfall, E. J.

Chart, H., Montgomery, S. & Rowe, B. A rapid immunoblotting procedure for detecting serum antibodies to the lipopolysaccharide of *Escherichia coli* O157 100

Chateau, N., Deschamps, A. M. & Hadj Sassi, A. Heterogeneity of bile salts resistance in the *Lactobacillus* isolates of a probiotic consortium 42

Chatterjee, D. & Mukherjee, S. K. Contamination of Indian maize with fumonisin B_1 and its effects on chicken macrophage 251

Clarke, K. *see* Brooker, J. D.

Coelho, J. L. C. *see* Baracat-Pereira, M. C.

Collins, D. M. DNA fingerprinting of *Mycobacterium xenopi* strains 234

Constantí, M., Bordons, A. & Giralt, J. Degradation of dibenzothiophene by *Pseudomonas putida* 107

Coppola, S. *see* Villani, F.

Corrales, M. T., Bainotti, A. E. & Simonetta, A. C.

Survival of *Vibrio cholerae* 01 in common foodstuffs during storage at different temperatures 277
Davey, G. P. *see* Brown, J. C. S.
Davies, R. H. & Wray, C. Evaluation of SMID agar for identification of salmonella in naturally contaminated veterinary samples 15
de Revel, G., Capela, A. B. & Hogg, T. A pre-spoilage marker for bacterial activity in fortified wine, conversion of L-malic acid to L-lactic acid 329
de Vringer, T. *see* Van Doorne, H.
Deschamps, A. M. *see* Chateau, N.
Diaper, J. P. *see* Firth, J. R.
Dietrich, R. *see* Usleber, E.
Dogra, J. V. V. *see* Masood, A.
Dryden, M. S. *see* Young, K. A.
Duncan, J. R. *see* Brady, D.
Easter, R. A. *see* Krause, D. O.
Edwards, C. *see* Firth, J. R.
Egea, L. *see* Iriberri, J.
Fair, R. J., Jamieson, H. M. & Hopkins, D. W. Spatial distribution of nitrifying (ammonium-oxidizing) bacteria in soil 162
Fárez-Vidal, M. E. *see* González, F.
Firth, J. R., Diaper, J. P. & Edwards, C. Survival and viability of *Vibrio vulnificus* in seawater monitored by flow cytometry 268
Flatau, G. N., Brunet, D. & Gauthier, M. J. Effects of long-term incubation in seawater on the ability of *Escherichia coli* cells to incorporate histidine and maltose 257
Fournet, B. *see* Frenoy, M.
Frenoy, M., Mandray, C., Leduc, B. & Fournet, B. Bacterial clearance in mice assessed by a conductance method is enhanced by RU 41740 (Trade name Biostim®) 93
Frère, J. Simple method for extracting plasmid DNA from lactic acid bacteria 227
Fujii, T. *see* Sato, M.
Fujiwara, S. *see* Sato, M.
Fuska, J. *see* Sturdíková, M.
Gale, P. & Broberg, P. J. Use of a commercial gene probe assay kit for rapid MPN enumeration of *Escherichia coli* in drinking water 346
Galindo, E. *see* Olguín-Castillo, C. M.
Garcia, M. L. *see* Pin, C.
García-Breijo, F. J. *see* Ginesta-Peris, E.
Garrett, S. D. *see* Powell, H. A.
Garrick, R. C. & Smith, A. D. Evaluation of Rambach agar for the differentiation of *Salmonella* species from other Enterobacteriaceae 187
Gauthier, M. J. *see* Flatau, G. N. *also* Munro, P. M.
Ghosh, P. *see* Singh, A.
Ghosh, V. K. *see* Singh, A.
Giangiordano, R. A. & Klein, D. A. Silver ion effects on *Hyphomicrobium* species growth initiation and apparent minimum temperatures 181
Ginesta-Peris, E., García-Breijo, F. J. & Primo-Yúfera, E. Antimicrobial activity of xanthatin from *Xanthium spinosum* L. 206
Giralt, J. *see* Constantí, M.
Glaum, D. *see* Brady, D.
González, F., Martínez-Cañamero, M. M., Fárez-Vidal, M. E. & Arias, J. M. Localization of acid and alkaline phosphatases in *Myxococcus coralloides* D 26
Gooding, C. M. *see* Powell, H. A.
Graffham, A. *see* Ariffin, R.
Guerzoni, M. E. *see* Lanciotti, R.
Gunasinghe, C. P. G. L., Henderson, C. & Rutter, M. A. Comparative study of two plating media (PALCAM and Oxford) for detection of *Listeria* species in a range of meat products following a variety of enrichment procedures 156
Hadj Sassi, A. *see* Chateau, N.
Hajarnis, S. R. & Ranade, D. R. Revival of *Methanobacterium formicicum* after its inhibition by high concentrations of ammonia 254
Hall, V. *see* Brazier, J. S.
Hallsworth, J. E. & Magan, N. Effects of KCl concentration on accumulation of acyclic sugar alcohols and trehalose in conidia of three entomopathogenic fungi 8
Hamilton, M. A. E. & Ahmad, M. H. Isolation and characterization of *Pseudomonas* from processed chicken in Jamaica 21
Hammond, J. R. M. *see* Rowe, S. M.
Hampton, M. D. *see* Threlfall, E. J.
Hang, Y. D. & Woodams, E. E. Amylolytic activity of *Byssochlamys fulva* 77
Hang, Y. D. *see* Schwarz, J. G.
Harrington, L. *see* Johns, M.
Hay, J., Khan, W., Mead, A. J. C., Seal, D. V. & Sugden, J. K. Membrane filtration method for bacteriological testing of water: enhanced colony visualization and stability on purification of phenol red indicator 117
Hayashi, S., Tubouchi, M., Takasaki, Y. & Imada, K. The effect of chemicals on the activity of deglycosylated *Aureobasidium* β-fructofuranosidases 105
Hayward, L. J. *see* Kirov, S. M.
Henderson, C. *see* Gunasinghe, C. P. G. L.
Hogg, T. *see* de Revel, G.
Holmalahti, J., von Wright, A. & Raatikainen, O. Variations in the spectra of biological activities of

actinomycetes isolated from different soils 144
Holzhammer, E. *see* Manafi, M.
Hopkins, D. W. *see* Fair, R. J.
Hudson, J. A. *see* Kirov, S. M.
Hunter, W. J. Increased nodulation of soybean by a strain of *Bradyrhizobium japonicum* with altered tryptophan metabolism 340
Ichikawa, S. *see* Nakashima, H.
Iinuma, M. *see* Sato, M.
Imada, K. *see* Hayashi, S.
Iqbal, M. & Zafar, S. I. Vegetable sponge as a matrix to immobilize micro-organisms: a trial study for hyphal fungi, yeast and bacteria 214
Iriberri, J., Ayo, B., Artolozaga, I., Barcina, I. & Egea, L. Grazing on allochthonous *vs* autochthonous bacteria in river water 12
Ismail, M. A. & Zohri, A. A. Confirmation of the relationships of *Aspergillus* egyptiacus and *Emericella nidulans* using progesterone transformation 130
Jacquet, R. *see* Bruetschy, A.
Jamieson, H. M. *see* Fair, R. J.
Jha, A. K. *see* Masood, A.
Johns, M., Harrington, L., Titball, R. W. & Leslie, D. L. Improved methods for the detection of *Bacillus anthracis* spores by the polymerase chain reaction 236
Johnson, M. G. *see* Bhunia, A. K.
Jones, D. M. *see* Stern, N. J.
Kamra, D. M. *see* Makkar, H. P. S.
Khan, W. *see* Hay, J.
Kirby, R. *see* Teixeira, P.
Kirov, S. M., Hudson, J. A., Hayward, L. J. & Mott, S. J. Distribution of *Aeromonas hydrophila* hybridization groups and their virulence properties in Australasian clinical and environmental strains 71
Klein, D. A. *see* Giangiordano, R. A.
Kondo, H. *see* Nakashima, H.
Krause, D. O., Easter, R. A. & Mackie, R. I. Fermentation of stachyose and raffinose by hind-gut bacteria of the weanling pig 349
Lanciotti, R., Sinigaglia, M., Angelini, P. & Guerzoni, M. E. Effects of homogenization pressure on the survival and growth of some food spoilage and pathogenic micro-organisms 319
Laurent, M. *see* Bruetschy, A.
Leal, J. A. *see* Santamaría, F.
Leduc, B. *see* Frenoy, M.
Leslie, D. L. *see* Johns, M.
Lowe, I. & Southern, J. The antimicrobial activity of phenoxyethanol in vaccines 115
Löwenadler, J. & Rönner, U. Determination of dissolved carbon dioxide by coulometric titration in modified atmosphere systems 285
Lund, B. M. *see* Powell, H. A.
MacDougal, D. *see* Ariffin, R.
Mackie, R. I. *see* Krause, D. O.
Magan, N. *see* Hallsworth, J. E.
Mahadeo, M. & Tatini, S. R. The potential use of nisin to control *Listeria monocytogenes* in poultry 323
Makkar, H. P. S., Singh, B. & Kamra, D. M. Biodegradation of tannins in oak (*Quercus incana*) leaves by *Sporotrichum pulverulentum* 39
Manafi, M. & Holzhammer, E. Comparison of the Vitek, API 20E and Gene-trak^{R} systems for the identification of *Yersinia enterocolitica* 90
Manafi, M. *see* Willinger, B.
Mandray, C. *see* Frenoy, M.
Marín, M. L. *see* Pin, C.
Marinova, D. N. Enzyme productivity from the protoplast regenerants of *Aspergillus awamori* 30
Martínez-Cañamero, M. M. *see* González, F.
Masood, A. *see* Prasad, G.
Masood, A., Dogra, J. V. V. & Jha, A. K. The influence of colouring and pungent agents of red Chilli (*Capsicum annum*) on growth and aflatoxin production by *Aspergillus flavus* 184
Matsuura, N. *see* Sato, M.
Mauriello, G. *see* Villani, F.
McCarthy, S. A. *see* Buck, J. D.
McKee, R. A. *see* Powell, H. A.
McKellar, R. C. Identification of the *Listeria monocytogenes* virulence factors involved in the CAMP reaction 79
Mead, A. J. C. *see* Hay, J.
Mead, G. C. & Scott, M. J. Coagulase-negative staphylococci and coliform bacteria associated with mechanical defeathering of poultry carcasses 62
Millar, I. G. *see* Ogden, I. D.
Mitchell, T. J. *see* Canvin, J. R.
Miyano, N. *see* Nakashima, H.
Montali, R. J. *see* Barrett, S. J.
Montgomery, S. *see* Chart, H.
Morishita, Y. The effect of dietary mannitol on the caecal microflora and short-chain fatty acids in rats 27
Morita, J. *see* Odagami, T.
Moschetti, G. *see* Villani, F.
Motlagh, A., Bukhtiyarova, M. & Ray, B. Complete nucleotide sequence of pSMB 74, a plasmid encoding production of pediocin AcH in *Pediococcus acidilactici* 305
Mott, S. J. *see* Kirov, S. M.
Mukherjee, S. K. *see* Chatterjee, D.
Munro, P. M. & Gauthier, M. J. Uptake of glutamate by *Vibrio cholerae* in media of low and high osmolarity, and

in seawater 197
Muslera, P. *see* Brooker, J. D.
Märtlbauer, E. *see* Usleber, E.
Nakashima, H., Ohshiro, Y., Miyano, N., Yamamoto, N., Ichikawa, S., Kondo, H., Takeda, M. & Sakagami, H. Synergistic inhibition of human immunodeficiency virus type 1 (HIV-1) replication *in vitro* by sulphated paramylon and 3′-azido-2′,3′dideoxythymidine (AZT) 24
Nerantzis, E. T. *see* Tzeferis, P. G.
Nguyen-the, C. *see* Carlin, F.
Noble, W. C. *see* Schwarz, S.
Noerlis, Y. & Ray, B. Factors influencing immunity and resistance of *Pediococcus acidilactici* to the bacteriocin, pediocin AcH 138
Nuero, O. M. *see* Santamaría, F.
Nwoguh, C. E. *see* Walker, D. R.
O'Donovan, L. A. *see* Brooker, J. D.
Odagami, T., Morita, J., Takama, K. & Susuki, S. Substrate specificities of extracellular proteases produced by marine putrefactive bacteria, *Shewanella putrefaciens* and *Alteromonas haloplanktis* 50
Ogden, I. D., Millar, I. G., Watt, A. J. & Wood, L. A comparison of three identification kits for the confirmation of *Aeromonas* spp. 97
Ohshiro, Y. *see* Nakashima, H.
Olguín-Castillo, C. M., Galindo, E. & Salvador-Figueroa, M. Factors affecting the consumption of 2,3-butanedione by *Saccharomyces cerevisiae* 132
Orpin, C. G. *see* Williams, A. G.
Owens, J. D. *see* Ariffin, R.
Pepe, O, *see* Villani, F.
Phillips, I. *see* Young, K. A.
Pin, C., Marín, M. L., Garcia, M. L., Tormo, J. & Casas, C. Comparison of different media for the isolation and enumeration of *Aeromonas* spp. in foods 190
Powell, H. A., Gooding, C. M., Garrett, S. D., Lund, B. M. & McKee, R. A. Proteinase inhibition of the detection of *Listeria monocytogenes* in milk using the polymerase chain reaction 59
Power, E. G. M. *see* Young, K. A.
Prabha, T. N. *see* Priya Sethu, K. M.
Prasad, G., Sahay, S. S. & Masood, A. Inhibition of aflatoxin biosynthesis by the extract of *Amorphophallus campanulatus* (OL) and calcium oxalate 203
Prieto, A. *see* Santamaría, F.
Primo-Yúfera, E. *see* Ginesta-Peris, E.
Priya Sethu, K. M., Prabha, T. N. & Venkataraman, L. V. Preparation of protoplasts from the cyanobacterium *Spirulina platensis* and a novel viability assay 241
Proksa, B. *see* Sturdíková, M.
Raatikainen, O. *see* Holmalahti, J.
Ranade, D. R. *see* Hajarnis, S. R.
Ray, B. *see* Motlagh, A. *also* Noerlis, Y.
Reyes, F. *see* Santamaría, F.
Richard, J. *see* Champomier-Vergès, M.-C.
Rollins, D. M. *see* Stern, N. J.
Rönner, U. *see* Löwenadler, J.
Rosenberg, M. *see* Sturdíková, M.
Rotter, M. L. *see* Willinger, B.
Rowe, B. *see* Chart, H. *also* Threlfall, E. J.
Rowe, S. M., Simpson, W. J. & Hammond, J. R. M. Intracellular pH of yeast during brewery fermentation 135
Rowe, T. F. & Towner, K. J. Effect of irradiation on the detection of bacterial DNA in contaminated food samples by DNA hybridization 171
Rutherford, M. A. *see* Thomas, V.
Rutter, M. A. *see* Gunasinghe, C. P. G. L.
Sahay, S. S. *see* Prasad, G.
Sai Ram, M. *see* Swamy, M. V.
Sakagami, H. *see* Nakashima, H.
Salvador-Figueroa, M. *see* Olguín-Castillo, C. M.
Salzano, G. *see* Villani, F.
Santamaría, F., Nuero, O. M., Alfonso, C., Prieto, A., Leal, J. A. & Reyes, F. Biochemical studies on the cell wall degradation of *Fusarium oxysporum* f. sp. *lycopersici* race 2 by lytic enzymes from Mucorales for its biocontrol 152
Sato, M., Tsuchiya, H., Akagiri, M., Fujiwara, S., Fujii, T., Takagi, N., Matsuura, N. & Iinuma, M. Growth inhibitory properties of chalcones to *Candida* 53
Schlater, L. K. *see* Barrett, S. J.
Schraft, H. *see* Stephan, R.
Schwarz, J. G. & Hang, Y. D. Purification and characterization of diacetyl reductase from *Kluyveromyces marxianus* 272
Schwarz, S. & Noble, W. C. Structure and putative origin of a plasmid from *Staphylococcus hyicus* that mediates chloramphenicol and streptomycin resistance 281
Scott, M. J. *see* Mead, G. C.
Seal, D. V. *see* Hay, J.
Seenayya, G. *see* Swamy, M. V.
Shimamura, S. *see* Bellamy, W.
Silva, D. O. *see* Baracat-Pereira, M. C.
Simonetta, A. C. *see* Corrales, M. T.
Simpson, W. J. Comments on the mode of division of *Pediococcus* sp. 69
Simpson, W. J. *see* Rowe, S. M.
Singh, A., Ghosh, V. K. & Ghosh, P. Production of thermostable acid protease by *Aspergillus niger* 177
Singh, B. *see* Makkar, H. P. S.
Sinigaglia, M. *see* Lanciotti, R.
Skene, I. *see* Brooker, J. D.

Slayne, M. A., Addy, M. & Wade, W. G. The effect of a novel anti-adherent compound on the adherence of oral streptococci to hydroxyapatite 174
Smith, A. D. *see* Garrick, R. C.
Sneath, P. H. A. *see* Barrett, S. J.
Southern, J. *see* Lowe, I.
Stanbridge, L. H. & Board, R. G. A modification of the *Pseudomonas* selective medium, CFC, that allows differentiation between meat pseudomonads and Enterobacteriaceae 327
Stead, D. The effect of chlorogenic, gallic and quinic acids on growth of spoilage strains of *Lactobacillus collinoides* and *Lactobacillus brevis* 112
Stephan, R., Schraft, H. & Untermann, F. Characterization of *Bacillus licheniformis* with the RAPD technique (randomly amplified polymorphic DNA) 26
Stern, N. J., Jones, D. M., Wesley, I. V. & Rollins, D. M. Colonization of chicks by non-cultural *Campylobacter* spp. 333
Sturdíková, M., Proksa, B., Rosenberg, M. & Fuska, J. Production of 3-methylthioacrylic acid by *Streptomyces kasugaensis* 165
Sugden, J. K. *see* Hay, J.
Susuki, S. *see* Odagami, T.
Swamy, M. V., Sai Ram, M. & Seenayya, G. β-Amylase from *Clostridium thermocellum* SS8—a thermophilic, anaerobic, cellulolytic bacterium 301
Takagi, N. *see* Sato, M.
Takakura, N. *see* Bellamy, W.
Takama, K. *see* Odagami, T.
Takasaki, Y. *see* Hayashi, S.
Takase, M. *see* Bellamy, W.
Takeda, M. *see* Nakashima, M.
Tatini, S. R. *see* Mahadeo, M.
Teixeira, P., Castro, H. & Kirby, R. Inducible thermotolerance in *Lactobacillus bulgaricus* 218
Terplan, G. *see* Usleber, E.
Thomas, V., Rutherford, M. A. & Bridge, P. D. Molecular differentiation of two races of *Fusarium oxysporum* special form *cubense* 193
Threlfall, E. J., Hampton, M. D., Chart, H. & Rowe, B. Identification of a conjugative plasmid carrying antibiotic resistance and salmonella plasmid virulence (*spv*) genes in epidemic strains of *Salmonella typhimurium* phage type 193 82
Titball, R. W. *see* Johns, M.
Tomita, M. *see* Bellamy, W.
Tormo, J. *see* Pin, C.
Towner, K. J. *see* Rowe, T. F.
Tsuchiya, H. *see* Sato, M.
Tubouchi, M. *see* Hayashi, S.
Tzeferis, P. G., Agatzini, S. & Nerantzis, E.T. Mineral leaching of non-sulphide nickel ores using heterotrophic micro-organisms 209
Untermann, F. *see* Stephan, R.
Usleber, E., Dietrich, R., Märtlbauer, E. & Terplan, G. Effect of heterologous paralytic shellfish poisoning toxin-enzyme conjugates on the cross-reactivity of a saxitoxin enzyme immunoassay 337
Van Doorne, H. & de Vringer, T. Effect of inoculum size on survival rate of *Candida albicans* and *Aspergillus niger* in topical preparations 289
Venkataraman, L. V. *see* Priya Sethu, K. M.
Villani, F., Pepe, O., Mauriello, G., Salzano, G., Moschetti, G. & Coppola, S. Antimicrobial activity of *Staphylococcus xylosus* from Italian sausages against *Listeria monocytogenes* 159
von Wright, A. *see* Holmalahti, J.
Wade, W. G. *see* Slayne, M. A.
Wakabayashi, H. *see* Bellamy, W.
Walker, D. R., Nwoguh, C. E. & Barer, M. R. A mirochamber system for the rapid cytochemical demonstration of β-galactosidase and other properties in pathogenic microbes 102
Walters, D. *see* Zarb, J.
Ward, L. J. H. *see* Brown, J. C. S.
Watt, A. J. *see* Ogden, I. D.
Wesley, I. V. *see* Stern, N. J.
Williams, A. G., Withers, S. E. & Orpin, C. G. Effect of the carbohydrate growth substrate on polysaccharolytic enzyme formation by anaerobic fungi isolated from the foregut and hindgut of nonruminant herbivores and the forestomach of ruminants 147
Willinger, B., Manafi, M. & Rotter, M. L. Comparison of rapid methods using fluorogenic-chromogenic assays for detecting *Candida albicans* 47
Withers, S. E. *see* Williams, A. G.
Wood, L. *see* Ogden, I. D.
Woodams, E. E. *see* Hang, Y. D.
Wray, C. *see* Davies, R. H.
Yamamoto, N. *see* Nakashima, H.
Yamauchi, K. *see* Bellamy, W.
Young, K. A., Power, E. G. M., Dryden, M. S. & Phillips, I. RAPD typing of clinical isolates of *Staphylococcus haemolyticus* 86
Zafar, S. I. *see* Iqbal, M.
Zarb, J. & Walters, D. The effect of the polyamine biosynthesis inhibitor DFMO on the ectomycorrhizal fungus *Paxillus involutus* 5
Zohri, A. A. *see* Ismail, M. A.

Index of Subjects

Acid protease from *Aspergillus niger* (Singh, Ghosh & Ghosh) 177
Amylolytic activity of *Byssochlamys fulva* (Hang & Woodams) 77
Antagonism of *Erwinia herbicola* towards *Leptosphaeria maculans* (Chakraborty, Chakraborty & Basu) 74
Antibacterial activity of meat *Pseudomonas* (Champomier-Vergès & Richard) 18
Antifungal activity of lactoferricin B (Bellamy, Yamauchi, Wakabayashi, Takase, Takakura, Shimamura & Tomita) 230
Antimicrobial activity of phenoxyethanol in vaccines (Lowe & Southern) 115
Antimicrobial activity of xanthatin from *Xanthium spinosum* (Ginesta-Peris, García-Breijo & Primo-Yúfera) 206
Bacteraemia and conductance method (Frenoy, Mandray, Leduc & Fournet) 93
Bacteriocin plasmids of *Pediococcus acidilactici* (Bhunia, Bhowmik & Johnson) 168
Bacteriological testing of water (Hay, Khan, Mead, Seal & Sugden) 117
Beta-amylase from a thermophilic bacterium (Swamy, Sai Ram & Seenayya) 301
Bile salts resistance of *Lactobacillus* (Chateau, Deschamps & Hadj Sassi) 42
Biodegradation of tannins in oak leaves (Makkar, Singh & Kamra) 39
Biological activities of soil actinomycetes (Holmalahti, von Wright & Raatikainen) 144
Candida growth inhibition by chalcones (Sato, Tsuchiya, Akagiri, Fujiwara, Fujii, Takagi, Matsura & Iinuma) 53
Chloramphenicol and streptomycin resistance plasmids from *Staphylococcus hyicus* (Schwarz & Noble) 281
Colonizing non-culturable *Campylobacter* spp. (Stern, Jones, Wesley & Rollins) 333
Comparison of kits for *Aeromonas* spp. (Ogden, Millar, Watt & Wood) 97
Conjugative plasmid in epidemic strains of *Salmonella typhimurium* (Threlfall, Hampton, Chart & Rowe) 82
Copper tolerance in *Saccharomyces cerevisiae* (Brady, Glaum & Duncan) 245
Cross-reactivity of saxitonin immunoassays (Usleber, Dietrich, Märtlbauer & Terplan) 337
Deglycosylated *Aureobasidium* β-fructofuranosidase activity (Hayashi, Tubouchi, Takasaki & Imada) 105
Degradation of dibenzothiophene by *Pseudomonas putida* (Constantí, Bordons & Giralt) 107
Degradation of *Fusarium oxysporum* cell wall by Mucorales (Santamaría, Nuero, Alfonso, Prieto, Leal & Reyes) 152
Diacetyl degradation by *Saccharomyces cerevisiae* (Olguín-Castillo, Galindo & Salvador Figueroa) 132
Diacetyl reductase from *Kluyveromyces marxianus* (Schwarz & Hang) 272
Dissolved carbon dioxide determination (Löwenadler & Rönner) 285
DNA fingerprinting of *Mycobacterium xenopi* (Collins) 234
Effect of homogenization pressure on micro-organisms (Lanciotti, Sinigaglia, Angelini & Guerzoni) 319
Effect of mannitol on microflora and short chain fatty acids (Morishita) 27
Effects of DFMO on *Paxillus involutus* (Zarb & Walters) 5
Electrotransformation of *Streptococcus pneumoniae* (Canvin, Andrew, Boulnois & Mitchell) 35
Enzyme formation by anaerobic fungi (Williams, Withers & Orpin) 147
Evaluation of AnaeroGen™ system (Brazier & Hall) 56
Evaluation of Rambach agar for differentiation of *Salmonella* species (Garrick & Smith) 187
Evaluation of SMID agar (Davies & Wray) 15
Fate of *Listeria monocytogenes* on green salads (Carlin & Nguyen-the) 222
Fermentation of stachyose and raffinose by hind-gut bacteria of weanling pig (Krause, Easter & Mackie) 349
Flow cytometry in oenology to analyse yeasts (Bruetschy, Laurent & Jacquet) 343
Fumonisin B_1 from India (Chatterjee & Mukherjee) 251
Grazing on allochthonous *vs* autochthonous bacteria (Iriberri, Ayo, Artolozaga, Barcina & Egea) 12
Heat shock in *Lactobacillus bulgaricus* (Teixeira, Castro & Kirby) 218
Hyphal binding in tempe (Ariffin, Apostolopoulos, Graffham, MacDougall & Owens) 32
Immunity and resistance of *Pediococcus acidilactici* to pediocin AcH (Noerlis & Ray) 138
Improved polymerase chain reaction of *Bacillus anthracis* spores (Johns, Harrington, Titball & Leslie) 236
Incorporation of substrates by *Escherichia coli* in seawater (Flatau, Brunet & Gauthier) 257
Increased nodulation by *Bradyrhizobium japonicum* (Hunter) 340
Inhibition of aflatoxin biosynthesis (Prasad, Sahay & Masood) 203
Intracellular pH of yeast during brewery fermentation (Rowe, Simpson & Hammond) 135
Irradiation and DNA hybridization (Rowe & Towner) 171

Lactobacilli and organic acids (Stead) 112
Laterite heterotrophic leaching (Tzeferis, Agatzini & Nerantzis) 209
Light microscope cytochemistry of pathogens (Walker, Nwoguh & Barer) 102
Listeria monocytogenes virulence factors (McKellar) 79
Listeria spp. in meat products (Gunasinghe, Henderson & Rutter) 156
Meat pseudomonad selective medium (Stanbridge & Board) 327
Media for enumeration of *Aeromonas* spp. (Pin, Marín, García, Tormo & Casas) 19
Microbiology of poultry defeathering (Mead & Scott) 62
Neisseria iguanae from iguanid lizard (Barrett, Schlater, Montali & Sneath) 200
Nisin to control *Listeria* in poultry (Mahadeo & Tatini) 323
Nitrifying bacteria in soil (Fair, Jamieson & Hopkins) 162
Non-O1 *Vibrio cholerae* in dolphins (Buck & McCarthy) 45
Novel anti-adherent on the adherence of oral streptococci to hydroxyapatite (Slayne, Addy & Wade) 174
Nucleotide sequence of pSMB 74 (Motlagh, Bukhtiyarova & Ray) 305
Pediococcus spp. division (Simpson) 69
Phosphatase activities in *Rhizobium leguminosarum* biovar *viceae* (Abd-Alla) 294
Phosphatases in *Myxococcus coralloides* D (González, Martínez-Cañamero, Fárez-Vidal & Arias) 264
Plasmid DNA extraction from lactic acid bacteria (Frère) 227
Polymerase chain reaction detection of *Listeria monocytogenes* in cows' milk (Powell, Gooding, Garrett, Lund & McKee) 59
Pre-spoilage marker for bacteria (de Revel, Capela & Hogg) 329
Production of pectin lyase in sucrose (Baracat-Pereira, Coelho & Silva) 127
Proteases of putrefactive bacteria (Odagami, Morita, Takama & Suzuki) 50
Protoplast regenerants of *Aspergillus awamori* (Marinova) 30
Protoplasts of *Spirulina platensis* (Priya Sethu, Prabha & Venkataraman) 241
Pseudomonas from chicken in Jamaica (Hamilton & Ahmad) 22
RAPD analysis of *Bacillus licheniformis* (Stephan, Schraft & Untermann) 260
RAPD typing of *Staphylococcus haemolyticus* (Young, Power, Dryden & Phillips) 86
Rapid bacteriophage DNA extraction (Brown, Ward & Davey) 292
Rapid detection of *Candida albicans* (Willinger, Manafi & Rotter) 47
Rapid gene probe enumeration of *Escherichia coli* in drinking water (Gale & Broberg) 346
Rapid identification of *Yersinia enterocolitica* (Manafi & Holzhammer) 90
Rapid immunoblot for antibodies of *Escherichia coli* O157 LPS (Chart, Montgomery & Rowe) 100
Red chilli and aflatoxin production (Masood, Dogra & Jha) 184
Relationship of *Aspergillus egyptiacus* and *Emericella nidulans* (Ismail & Zohra) 130
Revival of an ammonia-inhibited methanogen (Hajarnis & Ranade) 254
RFLPs of *Fusarium oxysporum* sp. f. *cubense* (Thomas, Rutherford & Bridge) 193
Silver and low temperature *Hyphomicrobium* growth (Giangiordano & Klein) 181
Staphylococcus xylosus antimicrobial activity (Villani, Pepe, Mauriello, Salzano, Moschetti & Coppola) 159
Streptococcus caprinus from feral goats (Brooker, O'Donovan, Skene, Clarke, Blackall & Muslera) 313
Streptomyces kasugaensis as a 3-methylthioacrylic acid producer (Šturdíková, Proksa, Rosenberg & Fuska) 165
Sugars in conidia of entomopathogens (Hallsworth & Magan) 8
Survival of fungi in creams (Van Doorne & de Vringer) 289
Survival of *Vibrio cholerae* in foodstuffs (Corrales, Bainotti & Simonetta) 277
Synergistic action of paramylon sulphate and AZT (Nakashima, Ohshiro, Miyano, Yamamoto, Ichikawa, Kondo, Takeda & Sakagami) 24
Uptake of glutamate by *Vibrio cholerae* (Munro & Gauthier) 197
Variation in *Aeromonas hydrophila* (Kirov, Hudson, Hayward & Mott) 71
Vegetable sponge to immobilize micro-organisms (Iqbal & Zafar) 214
Vibrio vulnificus in seawater monitored by flow cytometry (Firth, Diaper & Edwards) 268